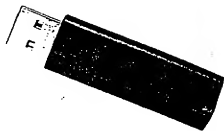


112-1001

Evidence 2



## Technical Specifications

Plastic case material .....	ABS plastic
Dimensions .....	57 X 14 X 8 mm
Weight .....	7 g
Operating temperature ...	0° - 55° C (32° - 131° F)
Storage temperature ...	-25° - 70° C (-13° - 158° F)
Humidity rating ...	0 - 100% without condensation
UL-6061 1950 standard .....	94-V0
Connector .....	USB Type A
Batteries / External power .....	None
Lines used .....	Power, ground, 3 data lines
Read/Write memory .....	90 bytes
Privileged memory .....	10 bytes
RAM .....	2 16-bit words
Unique ID number for each key .....	12 bits
Memory data retention .....	At least 10 years
Memory cell re-writes .....	At least 100,000

# Software Protection via the USB

MachASP USB is part of Aladdin's market-leading HASP hardware-based system to protect Macintosh software from piracy and illegal use, by denying access to software and preventing its execution unless authorized.

MachASP USB connects to the new industry-standard Universal Serial Bus (USB) which is standard equipment on new generation Mac computers. USB is designed to allow peripherals to be easily attached to computers regardless of manufacturer.

Each MachASP USB contains a unique code for each software developer, recognized by the protected software. During runtime, the protected application checks whether a MachASP USB with the correct code is connected to the computer. If the MachASP USB code is confirmed, the application is executed. If no application will not run.

MachASP USB features high level microcontroller-based security which prevents reverse engineering and makes its hardware virtually uncrackable. MachASP USB is available in two models: the stand alone model - MachASP USB and the network model - Net-MachASP USB for protecting software running under Macintosh network environments.

Developers already protecting with MachASP - Aladdin's ADB solution - will have full compatibility with MachASP USB. This means that most protected applications already in the field will require a simple upgrade by the end user in order to use MachASP USB.

With MachASP USB and Net-MachASP USB you can:

- Control access of up to 20 different software modules and different software packages
- Rent or lease software and distribute demos which have a limited number of activations
- Read and write to the key during application execution
- Enhance security by using the 90 bytes of read/write memory to save passwords, user or application-specific information, and parts of your source code
- Use the 10 bytes of developer-privileged memory to save sensitive data which can be read but not written in the field
- With Net-MachASP USB you can connect a single key to any station on the network, and limit the number of users who can access your application concurrently

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# MacHASP USB PROTECTS Your Software



## MacHASP USB – So small, So easy, So powerful

- Protects software via any available USB port
- Unequaled security
- Unparalleled flexibility, ease-of-use and transparency
- Compatible with MacHASP keys and software
- Hot swappable
- Contains 100 bytes of memory
- Available in stand-alone and network versions

## HASP Protects More

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 ■ USA: Hengyuan 02 5511 111 ■ Vietnam: Hengyuan 02 5511 111

Your software is your baby – and you want to look after it. You created it, you developed it, you saw it right through to the moment it was ready for market. Now protect it. 50% of business software is stolen; \$11 billion of developers' income is lost to piracy.\* Is your software a statistic?

All over the world, more developers are protecting against piracy. They're protecting more products, on more platforms, with more security – and selling more as a result. And more of these developers are protecting with HASP.

To see why 25,000 developers worldwide protect with Aladdin, call and order your MacHASP USB Developer's Kit now!



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*The Professional's Choice*

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